

Hatcher Pass Mountain Guides Operations and Safety Plans

2018-2019 Season

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2018-2019 Hatcher Pass Mountain Guides

Cat Skiing w/Heli Assist Operations and Safety Plan

Introduction

Hatcher Pass Mountain Guides is based out of Willow, Alaska. Our mailing address is po box 85 Willow, AK. 99688. The Business phone numbers are Adam Cuthriell 907-382-1802 Farley Dean 907-354-6389 or Bryce Dean 907-748-1750. Our goal is to provide clients with an amazing backcountry experience.

This Operating plan is made part of Hatcher Pass Mountain Guides (HPMG) tour operations and recreational permit. The primary purposes of this plan are:

1. To ensure protection of the natural resources with in Hatcher Pass and the state land in the permitted areas of operation of Hatcher Pass Mountain Guides.
2. To provide documentation of safety procedures, training, emergency contact procedures, and operations described to provide a safe guided experience for HPMG clients. Upon approval of the state of Alaska Dept. of Natural Resources this operating plan becomes part of the recreation and use permit issued to HPMG.

General Operations

Cat Skiing and assisted heli laps will be conducted on Bullion Mountain ridges through Dog Sled Pass through the border along Summit Lake not on state park land. Guided activities such as skiing and snowboarding will be conducted with complete respect for wildlife, the environment, Leave No Trace principals, and other backcountry users and residents. Cat Skiing operations will begin and end as conditions permit roughly around December or January and concluded in April or May. Hours of operation will be between 8 AM and 6 PM with hours possibly changing in spring time conditions and longer day light hours between 7 AM and 8 PM. HPMG may use up to 1000 user days on Alaska state land. HPMG will advertise on the internet, social media, as well as ski/snowboard/travel publications. The tours will be offered for sale in Alaska as well as online with payment being completed electronically. The tours will all take place on state DNR land when approved by state of Alaska Dept. of Natural Resources.

Group size will not exceed 8 clients per guided tour. Client to guide ration will be at largest difference 4 clients to 1 guide. Therefore, total numbers would be max 11, 2 guides, 8 clients, 1 cat operator or pilot. Trips will be conducted with 2 guides a lead guide and a tail guide.

1 snow cat will be utilized for transporting clients to and from areas being skied. An option of heli-bumps will be offered as well. We would be utilizing 1 R-44 helicopters being operated by Talkeetna Air Taxi.

Clients and guides will be dropped off at a selected sight or landing zone (LZ), ski down the mountain under guided supervision then be picked up by either snow cat or heli. This scenario (dropped off, ski, then picked up) will be repeated 4-7 times depending on time of year, client capability, and length of ski run.

Prior to boarding the snow cat all clients and guides will be given information from the cat operator on specifics of boarding and exiting the machine. On all heli operations the pilot will give pre-flight info to clients and guides. This information will be explained and demonstrated to all participants. At this time or prior all clients and guides will possess avalanche beacons, probes, rescue gear, and avalanche bags. Exercises and practices of using said equipment will have been performed effectively. Clients and guides will not be allowed to ski until proper use has been demonstrated. After the briefing clients will be allowed to ask any additional questions they may have about either the use of their equipment or proper entrance and exit to both the snow cat and heli. All clients will be explained the inherent danger of skiing and traveling in the backcountry, after this explanation clients will sign a waiver stating they understand the inherent danger of skiing and back country travel and will not hold HPMG or the state of Alaska liable for any injury, accident, or negative event. Avalanche beacons and avalanche air bags are designed to help skiers travel more safely in backcountry settings but do not guarantee safety or survival. Guides will inspect other guides as well as the clients to make sure all gear is in good working order before each trip. Guides will make sure that airbags are not armed while in the snow cat or heli and then rearmed after exiting the machines.

Before each trip a weather check will be conducted by guides using the internet to check National Weather Service, Weather Underground, Hatcher Pass Avalanche Information Center, and other available tools on the internet such as radar, satellite images, or other weather apps. In addition to weather checks snow pack evaluations will have been conducted prior to trips to help ensure snowpack reliability and structure that supports backcountry travel. After these checks' guides, operators, and pilots will discuss the specific areas to operate in on that day and determine a go no go ruling.

Communication will be conducted on VHF radios between all guides, operators, and pilots. A satellite phone will also be present in the operation to ensure communication to an outside source if necessary.

Guide Requirements and Experience

Guides working for HPMG will have extensive ski and snowboard experience in a backcountry setting. This experience will be demonstrated by having proper accreditation such as Avalanche Level 2 and wilderness first aid or higher medical training. Guides will also demonstrate skills to HPMG lead guides and owners that their abilities are up to par with guiding backcountry skiing and riding. A list of currently employed guides will be supplied to the state DNR if required for operation, if not a complete list of guides will be available at any time at HPMG. All employees will be "employees at will" and sign an agreement stating that the state of Alaska and HPMG are released of liability for any injury, accident, or negative event they may encounter in a backcountry setting.

Minimum Guide Requirements

Lead guides- Avy 2, state of Alaska EMT or national EMT accreditation, WFR, or OEC, and CPR

Guides-Avy 2, wilderness first aid, and CPR

Alcohol and Drug Use Policy

The use of drugs or alcohol during hours of operation will not be tolerated. The use of these substances will also not be permitted in the hours prior to operation. Any employee found using these substances during hours of operation or prior will be fired and not allowed for rehire. Alcohol or other legal substances cannot be present until all heli or cat operations are concluded.

Avalanche Forecasting

Guides will be knowledgeable and competent in observing and compiling weather and avalanche information. Guides will also be informed from the Hatcher Pass Avalanche Information Center on snowpack discussions as well as their own snow pit documentation and tests. All guides, operators, and pilots will have daily discussions on the snow packs' current structure and stability or lack thereof. Lead guides and guides will regularly dig pits in the areas of operation to have first hand knowledge of the snow pack. Snow pit information will be kept in either digital format or hand-written pit sheets that guides use throughout the season. This information will be continually evaluated and compiled to have a better understanding of the snow pack by all guides.

Avalanche Rescue

Guides will be informed of standard operating procedures for avalanche rescue through proper avalanche education obtained in AVY 2. Guides will also have proper knowledge in use of the avy equipment such as beacons, probes, shovels, and avy bags. HPMG will conduct practice avalanche scenarios in our areas of operations to better handle the event if the real thing should happen. Guides will have identified safe areas, terrain traps, and other objects such as boulders or cliff bands that can add to an avalanche or victim situation.

First Aid

Guides will be required to maintain a current wilderness first aid or higher medical certification as well as a current CPR card. Certification will be present before a guide is hired. Certifications will only be accepted from nationally and state certified training programs. Guides will have in their ski packs an appropriate first aid kit and in the snow cat there will be a more advanced first aid kit and supplies.

Guides will keep a regular inventory and regular inspection of all first aid equipment both in their personal kits and the on the snow cat. Guides will have proper training on how to deal with injuries ranging from ski related injuries, impact injuries, avalanche and trauma injuries, heart attack, and cold related injuries.

Ski and Snowboard Instruction

Ski and snowboard instruction are an important part for snow safety in bac country settings. Advising clients to only ski within their abilities and matching terrain to those abilities. Clients ski abilities will vary from extremely experienced to those with this being their first time in a backcountry setting. Proper assessment of each client will continue through the day or days of guided activity. HPMG will make sure that guests have proper skis or snowboards that are suited for the backcountry environment i.e. fat skis, powder skis, or powder boards, or rockered/reverse cambered equipment.

Winter Mountaineering

Guides will have proper mountaineering skills consistent with guided backcountry travel. Skills will be evaluated and expanded upon by lead guides and owners during annual pre-season training. Such skills will be proper route selection with safe zones and danger zones identified, advanced backcountry skiing or snowboarding ability, avalanche rescue and prevention, rope skills, basic climbing and ascending skills, cold weather survival and preparedness, first aid, and backcountry survival skills.

Skier Safety

Skier safety is amongst the highest priority for HPMG and its employees. Guides will be knowledgeable in proper protocol for backcountry skiing and snowboarding. This knowledge will be clearly explained to clients before each descent. Before each descent guides will set forth guidelines on the particular run being skied, identifying line parameters and boundaries, safe zones, run out zones and areas identified to be avoided.

Snow Cat Safety and Helicopter Safety

Guides will be instructed prior to first day of operation on how operators will expect guides and clients to operate with in and around the snow cat. Specific safety guidelines will be set forth such as when to enter and exit the snow cat by guides and operators. Clients will not be allowed to be anywhere near or in the cat until properly briefed and instructed by guides and cat operators. Helicopter pilots will adhere to all FAA guidelines as far as transport of guides and clients. Heli pilots will explain proper procedures

to guides and clients each time before boarding or exiting the heli. All heli's and snow cats will be equipped with proper communication tools (radios/SAT phones, locators, cell phones), first aid gear, survival gear, and rescue gear.

Terrain Analysis and Route Selection

Before selecting routes proper consideration and evaluation of weather, snow pack, and client ability will dictate route selection. Special considerations in route selection will be: Avalanche hazard, avalanche run out zones, snow conditions, terrain traps, cliff bands, boulders, other obstacles, cat travel routes, landing zones, weather analysis, and wildlife.

If an area is considered to be avalanche prone it will be avoided. Most routes skied will be under 30 degrees due to most client abilities. If a group has greater ability slopes steeper than 30 degrees may be skied. These steeper slopes will only be used after proper and continual snow pack analysis has been conducted and performed by HPMG.

Local Biology and History

HPMG will have knowledge of the area where guided activity is being conducted both of human presence and history as well as nature. Guides have skied in the area many times and have a great history of understanding the terrain and the general snowpack. Guides will also be mindful of animal presence or migration. Snow cat travel will take in consideration the natural environment as to not impact it negatively.

Use Reports

Guides will complete daily logs that report the days snowpack findings and stability. There will be end of day summary briefings that will need to be attended by all guides and staff who worked that day. Discussion will revolve around stability, snow pack tests, and snow conditions. End of day reports will also address number of people being guided, areas skied, number of runs, slope angles, weather, and pit information. These reports will be completed by the guides at the end of the day then compiled into a company log book for future reference.

Emergency Situations and Reporting

In the event of an accident or serious injury by either a client or employee state DNR will be notified. The incident report will include names of the people involved as well as contact information, specific details on what occurred, witness reports, and actions taken. If a situation can not be handled by HPMG

staff and guides outside agencies will be utilized such as Alaska State Trooper, Willow Creek Fire and Rescue, and Search and Rescue Organizations.

Trip Itinerary

Clients will arrive at the base of operations there they will receive their trip orientation. Cat safety and protocol will be explained by the operators and guides, if heli's are in use pilots will give orientation on heli safety and guide lines. Clients will be instructed on how to use an avalanche beacon; a practice beacon search will be conducted so that clients can demonstrate an understanding of the equipment and how to participate in a search. Clients will also be given instruction on how the slopes will be skied. Clients will then be instructed on how to use an avy air bag. Guides will then check all equipment to make sure all is in correct working order. Guides will interview all clients to determine ability and experience. After these checks are completed guests will sign waivers then board the snow cat.

The first run will be an evaluation run of all clients and their abilities. This first run will be a mellow low angle easy to ski/snowboard route so that guides can give an evaluation of guest's abilities. After abilities are assessed guides will then make the rest of the route selections based on the client's abilities. Continuing evaluation will be conducted on each run to make sure clients are safe, competent, and skiing with in ability. If group competence diminishes guides will make appropriate changes.

At the end of the day clients and guides will return to the base of operations and clients will then turn in all gear and leave HPMG. Guides and operators will conduct an end of day meeting discussing the day's events and snow pack. The log books will then be filled out and turned into HPMG lead guides and management.

Communication

All guides, operators, and pilots will have VHF radios and maintain constant communication on routes and plans for the day. A satellite phone will be on each trip if emergency services or outside help is needed. Set channels will be utilized by HPMG staff. Guides, pilots, and operators will always be able to have communication so any issues that come up can be addressed quickly with everyone being in the know of what is happening. Cell phones and satellite phones will also be available for communication.

Avalanche Beacons and Avy Bags

All staff and clients will have a beacon on and in good working order including the cat operator. Guides will properly teach the clients how to use a beacon and participate in a search. All beacons will be checked at the start of each trip to make sure they are transmitting. Avy bags will be inspected regularly by HPMG staff. Prior to boarding the cat or heli the airbags will be inactive they will then be reactivated prior to skiing or riding.

Goals of Safety Plan

At HPMG our goal is to develop and implement a safety plan and operation model that will provide a fun safe backcountry experience for our clients and guides. However, there is an inherent danger that cannot be separated from backcountry skiing and riding such as inclement weather and conditions. Following proper backcountry protocol can help minimize the hazards and help ensure safety for clients, guides, and operators.

Flight Service Responsibility

HPMG will contract all heli operation to Talkeetna Air Taxi. Talkeetna Air Taxi has been a safe reliable air service for many years and all ready holds permits with state DNR as well as federal permits for flying and transporting paying clients. Other than direct dealings with HPMG Talkeetna Air Taxi is its own separate entity and responsible for all maintenance and adherence to flight guidelines and procedures for their air craft.

Cat Operator Responsibility, Cat Operation, Maintenance, & Fuel Spill Response Plan

The cat operator will perform daily safety checks on the machine as well as continual maintenance and inspection. Operators have many years of experience and have held permits with DNR allowing the use of snow cats on state land. Operators will work closely with guides to establish proper route for traveling up and down hill as well as appropriate pick up and drop off locations. Guides and operators will communicate closely on areas being utilized for the day of operation as well as weather and snow conditions. HPMG will utilize one cat with a cab for passengers, however if something happens to the cat HPMG has other cats that can get the cat out of the field if needed.

All snow cats must be inspected, maintained, and serviced on a regular basis, Fuel spill response kits will be accessible by HPMG.

-To avoid hydraulic or any other hazardous substance leaks. HPMG will have a spill prevention plan available that clearly defines measures that will be taken to prevent/minimize hazardous substance leaks during all of their operations. This plan must be made available upon request from the State of Alaska Dept. of Natural Resources.

- If a leak should occur, all snow/soil contaminated with hydraulic or hazardous waste must be collected immediately and disposed appropriately off-site at an approved DEC facility.

-Snow cats leaking any type of fluid (hoses, fittings, etc.) must be fixed prior to the snow cat's daily operation or be returned to base camp immediately until the leaking snow cat is repaired.

-All snow cat leaks and repairs must be recorded in a maintenance log and be reported to the State and HPMG.

Guide Responsibility

HPMG will hire and utilize only skilled and professional guides with proper training and certifications. They are the front line to ensuring a safe and fun backcountry experience for clients. Guides will all be responsible for weather observation, snow pack discussions and evaluation, as well as maintaining avy, rescue, and medical gear. Guides will be expert skiers and riders and have great ability in route selection and terrain analysis. They will keep log books with all snow pit information from the operating areas. They will be competent in avalanche remediation such as cornice cutting, ski cutting, and belayed ski cutting. Guides will follow established avalanche rescue protocol set forth by Avy level 2 guidelines. Guides will be trained in wilderness first aid or higher level of medical care. They will have ability in teaching guests modern ski and snowboard tactics to ensure a safer more enjoyable experience. They will have experience in winter mountaineering and basic rope and belay knowledge. They will have worked extensively with the cat operators and heli pilots on proper interaction and use of the machines.

General Equipment for Guides

VHF and or Motorola radios, whistle, water, food, compass, log books, pencil, head lamp, lighter or matches, first aid kit, and some sort of camera. Some basic repair gear such as multi- tool, duct tape, or zip ties. Avalanche equipment: beacon, probe, shovel, snow saw, air bag, and cornice cutting cord.

Avalanche Safety Plan

Avalanche forecasting and mitigation will be of the highest priority for all HPMG staff and done on a daily basis. Many sources will be utilized such as but not limited to: Hatcher Pass Avalanche Information Center (HPAIC), snow pit studies and documentation, weather forecasts, internet sources, weather cams, snotel sites, as well as constant observation of the areas being operated in. Briefings conducted by guides, operators, and pilots will be done at the beginning and end of each day in operation. Discussions will cover snow pack, avalanche hazard, weather, route selections, and areas being utilized. Pit information will be tabulated by guides in the field and copies of pit information will be kept. If at anytime staff finds signs of danger all activity will end or be changed to another venue.

If an avalanche were to occur during HPMG operation the lead guide will become the incident commander until a higher level of help is needed. Incidents will be handled in house unless the situation dictates a higher level of help or assistance. Adherence to proper avy search and rescue protocol will be implemented after first making sure the area is safe for a search. HPMG does not want to create

additional victims in a situation. The incident commander will make use of all tools at their disposal such as other guides, operators, pilots, and clients.

The best step to safety in a backcountry experience is to avoid the negative situation from becoming reality. This will be done first by avoiding slopes or areas prone to avalanche. After this, proper forecasting, observation, and adherence to proper backcountry travel will aid in prevention of any negative situation.

Three Stage Rescue Plan

Stage 1

-Locate the victim/victims as soon as possible utilizing staff and clients already in the field. Assess the area and make sure a search is safe to proceed.

-The lead guide will assume the role of incident commander. He/she will post an avalanche guard to get eyewitness reports. They will note the point of entry, the point of capture by the avy, and last visible point of victim/victims. This basic info will help the group conduct a hasty beacon search. All people in the field will assist with the search and rescues of victim/s. The incident commander will assign roles to the different members in the party as needed.

-HPMG will have all standard avy equipment mentioned prior in this plan as well as more rescue equipment in the cat. I.E. extra shovels, back board, or ropes and other rescue devices.

Stage 2

-Provide and establish medical treatment and equipment if necessary and then provide transport out of the field if required. If a higher level of medical care is needed this is when emergency services will be contacted.

-Lead guides will have an EMT, OEC, or WFR certification. Guides will have Wilderness First Aid or higher. This knowledge and certification will help the guides determine what step to take next such as enlisting higher levels of medical support and care. If higher medical care is required, guides will have the basic knowledge to help stabilize the injured parties until higher level of care is either brought in or reached.

Stage 3

-Provide continuing support for the rescue and transport out of the field if needed.

-This includes preventing other skiers from being injured in the search, supplying water and food if necessary to search party/rescue party, and supplying any additional materials or equipment. HPMG will be responsible for all rescue operations. Once victim/s have been removed from the avalanche they will be assessed by the incident commander. If burial was severe enough or injuries sustained, they will be evacuated from the field. If there is severe injury and fast transport is required outside sources will be enlisted to help ensure a prompt rescue and transport.

Daily Considerations for Areas Being Skied

At the morning briefing guides and operators will discuss the following information gathered by sources mentioned earlier in the plan (pits, internet, HPAIC, and other weather sources). These briefings will address most recent and present weather, present temperature, temperature maximums and minimums for a 24hour period, total precipitation for the last 2 days, wind speed/direction, and barometric pressure. Snow pit information will also be shared and discussed and possible instabilities as well as pit locations and aspects. Guides and operators will then come up with multiple areas or locations to be skied based upon client experience and ability factoring in the prior discussed weather conditions and snow pack factors.

First Aid

Everything from life threatening injury to simple cuts and bruises can be encountered in the backcountry. Preservation of life and health is the priority of all HPMG staff. Lead guides will have a current EMT, OEC, or WFR. Guides will have wilderness first aid and CPR. All guides will be required to carry a basic first aid kit in their ski pack. More advanced first aid equipment will be kept in the snow cat. Guides will make efforts to stay current on rescue trends and methods. Inventories of all medical gear will be regularly conducted to ensure presence of necessary gear and supplies.

-If a client or guide sustains an injury severe enough to require them to be removed from the field the following procedures will take place.

-The lead guide will be notified immediately of the injury/incident. Lead guide will then make contact with other guides/operators/pilots to advise them of the situation. The lead guide will then assess the issue. After assessing the issue/injury a plan will be made according to the level of training and care. If situation warrants higher level of care, this is when the notification will take place.

-After initial assessment has been made and appropriate care or stabilization has been administered and completed. The lead guide will then determine the best means of extraction if necessary. The lead guide will continue to assess and reevaluate the situation as needs be until the victim is either transported out of the field or passed on to a higher level of medical care.

After the situation a formal accident report will be filled out and logged. It will be kept by HPMG and turned over to any higher level of care while adhering to all HIPPA guidelines and regulations.

Backcountry Skiing/Snowboarding Guidelines Set Forth by HPMG

- Clients and guides will follow all commands and signals of the lead guide.
- Guides will instruct clients on how, when, and where to ski/ride in a safe controlled manner.
- If clients don't understand they will have an opportunity to ask for clarification.
- Groups will only ski/ride in areas designated by the lead guide.
- Use of the buddy system and watch for other members in the group.
- If someone is injured or hurt, no matter how little or big it may appear notify guides immediately.
- If you fall but are not hurt and do not need assistance tap your head with your hand or ski pole to signify you are OK.
- If a participant become lost or losses the group follow tracks back to last point of contact with the group and wait, the guides and staff will find you.
- Never assume that just because a slope has been skied that it will not be capable of an avalanche. Be aware at all times.
- Never ski below a guide unless instructed to, you should always stop above the guide as they may be marking a hazard.
- If stopping mid run only use safe areas identified by guides.
- If you are caught in avalanche deploy your avy bag and try to stay on top of the snow, this is done by making swimming motions. If you are taken under by the avalanche keep hands and arms in front of your face to try and create an airspace and above all try to remain calm.
- Always report any concerns or signs of instability to your guides.
- If a guide or client has been caught in an avalanche make contact with the other guide and clients to follow protocol and initiate a search if safe. At this point turn your beacon to receive mode.

Snow Cat Rules and Instruction

- Always be aware at all times around the cat even when not in motion, they are big machines with lots of moving parts.
- Always follow instructions of guides and operators, never assume.
- If something doesn't make sense to you or you don't understand something ask.
- Listen to guides on when to approach and exit the cat and allow them to help you get in and get out of the cat.
- Disarm avy bags while in the cab of the cat.
- Do not bring skis or boards in the cat, use the exterior rack, guides will help facilitate this.
- Stay in your seat while the cat is in motion and do not stand up until instructed.
- Guides will open and close the cab of the cat.

Heli Rules and Instruction

- Be aware at all times when a heli is present.
- Listen to the guides and pilots and follow their instructions, never assume.
- If something doesn't make sense to you or you don't understand something ask.
- If an item of clothing is blown off or away while around the heli do not attempt to chase after it.
- Before being picked up by the heli strap skis and poles together. Snowboards should have high backs down and straps strapped.
- Never ever hold skis, poles, or boards upright while in the presence of the heli.
- The guide will load and unload the skis in the basket.
- Always approach the heli from the front of the craft, never go anywhere near the end or the basket.
- Take care of opening the doors and only do when instructed to by the guide or the pilot.
- Seat belts will always be worn while in the heli.
- Avy bags will be disarmed while in the heli.
- While the aircraft is taking off and landing be quiet.
- Stay low when exiting and entering the helicopter

Heli Pick Up and Drop off Plan

The helicopter will be operating in cooperation with the snow cat. Guests who opt to pay for heli bumps will be picked up by the heli at the bottom of our operating area such as the bottom of Bullion Ridge or at the base of the bowl in the Dogsled pass area. The heli will never operate on the Palmer side of the pass or near the parking lot areas. Guests and a guide will then be flown up to a ski-able area then ski down. There the group will then be picked up again for a second lap. The heli will be operating in areas far from most other back country users. This is to ensure public safety, public land use, and a quality experience for HPMG guests.

Daily Report Form

Guide/Guides:

Date:

Snow Cat operator:

Heli Assist Laps: YES/NO

Weight of Passengers and Guides Heli Only:

If So Heli Pilot:

Number of Clients and Names:

Snow Condition:

Slope Aspect and Pitch:

Weather:

Ability of Group:

Attitude:

Number of Cat Laps and Location:

Number of Heli Laps and Location:

Additional Comments:

-Appropriate terms used for Report Form-Use first names, snow condition-hard pack, wind slab, powder, crust, variable. Slope aspect- N,E,S,W or combination, angle of pitch (use slope inclinometer). Weather,

over cast, sunny, snowing, combination. Ability of Group, beginner, intermediate, advanced, or expert.
Attitude of group, cautious, confident, aggressive, other.

Daily Check Lists

- All clients have signed a liability release form?
- All clients had snow cat/heli briefing?
- All clients have had a backcountry travel briefing?
- All clients and guides have appropriate avy gear and in good working order?
- Skis and boards are functioning appropriately?
- Clients have been instructed and demonstrated ability to use a beacon and participate in a search?

For Each Trip

- Guides have checked weather, snow reports, weather reports, avy reports, and other pertinent information sources.
- Water and emergency food are in the cat.
- First Aid Kits are inventoried and accounted for.
- Repair kits are inventoried and accounted for.

Post Trip

- Debriefing meeting attended by all HPMG staff who worked that day.
- Daily report form filled out.
- All snow logs compiled and turned in.
- If an accident/or injury occurs all documentation completed and turned in to HPMG management.

Accident Statement Form

HPMG requires that if an accident is reported it needs to be documented. This is to be completed by witness, parties or individuals injured, and HPMG employees. This information is used for proper documentation, record keeping, and prevention of future issues. Everything will be kept confidential unless needed by proper authority's or regulating agencies.

1. Describe incidents or events leading up to the accident (behaviors of: clients, guides, operators, or pilots. As well as any pertinent environmental or situational factors: weather, snow, terrain, or time of day):

2. Description of the accident or incident:

3. Description of actions taken or implemented after incident:

4. Anyway this accident/incident could have been prevented:

5. Was there adequate information, instructions, or warnings presented:

Name:

Date:

Address:

Phone:

Name (s) of injured party:

Type of Activity (Skiing, Snowboarding, Tele, cat skiing, or heli assist):

Type of injury (if known):

Injured person(s) mental status: i.e. confused, calm, scared or panicked, aggressive, or other:

Details of accident:

Location or accident site and time:

Spill Response Plan: All snow cats must be inspected, maintained, and serviced on a regular basis, fuel spill response kits will be accessible by HPMG.

-To avoid hydraulic or any other hazardous substance leaks. HPMG will use a spill prevention plan that clearly defines measures taken to prevent/minimize hazardous substance leaks during all operations.

- If a leak should occur, all snow/soil contaminated with hydraulic or hazardous waste must be collected immediately and disposed appropriately off-site at an approved DEC facility.

-Snow cats leaking any type of fluid (hoses, fittings, etc.) must be fixed prior to the snow cat's daily operation or be returned to base camp immediately until the leaking snow cat is repaired.

-All snow cat leaks and repairs must be recorded in a maintenance log and be available if needed.

-All snow cats used in the field will have a spill response kit on board so that if a spill or leak takes place it will be able to be handled quickly and efficiently.

-Above all the best step is prevention, HPMG staff and management will do their best to prevent a spill from ever taking place.

Client Parking

Client pick up and drop off plan is to have guests park at the designated parking areas on the Palmer side of Hatcher Pass. Clients will pay the day use parking fee which will generate money for the state. There clients will walk up the road with guides to where the snow cat will be waiting. The area in which the cat will be waiting is an area already approved by the state to have the snow cat.

STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND AND WATER

LAND USE PERMIT APPLICATION

AS 38.05.850

Receipt Types: 7A – Application for Authorization, except
RR – Application for Authorization on Recreational Rivers System



Applicants must complete all sections of this application. In addition, applicants proposing:

- the use of the uplands and non marine waters must also complete the Supplemental Questionnaire for Use of Uplands and Non Marine Waters accompanying this application;
- off-road travel must also complete the Supplemental Questionnaire for Off-Road Travel accompanying this application; and/or
- the use of tide and submerged lands must also complete the Supplemental Questionnaire for Use of Marine Waters accompanying this application.

Other items that must accompany the completed application are:

- a **(non-refundable) application filing fee**; see current Director's Fee Order for applicable fees;
- a 1:250,000 or 1:63,360 scale USGS map showing the location of the proposed activity;
- additional items identified and required in any supplemental questionnaire(s) to this application; and
- additional pages if more space is necessary to answer the questions completely.

Completed Land Use Permit Applications should be mailed to one of the following offices:

Public Information Center
550 W. 7th Ave, Suite 1360
Anchorage, AK 99501
(907) 269-8400

Public Information Center
3700 Airport Way
Fairbanks, AK 99709
(907) 451-2705

MLW Information Office
P.O. Box 111020
Juneau, AK 99811-1020
(907) 465-3400

LAS # 32622

Applicant Information:

Applicant Name Adam Cuthriell, Forley Dean, Bryce Dean 11/22/1980, 10/23/1983, 11/7/1985
Doing Business As Hatcher Pass Mountain Guides any of the applicants Contact Person Adam Bryce Forley EIN _____
Mailing Address with City, State and Zip P.O. Box 85 Willow, AK. 99688 Email Address fishhoundxx@gmail.com/forleyake@yahoo
Home Phone (907) 382-1802 Work Phone (907) 354-6389 Cell Phone (907) 748-1750 FAX ()
Adrian Forley Bryce

If you are applying for a corporation, give the following information:

Name, address and place of incorporation: n/a

Is the corporation qualified to do business in Alaska? Yes ☐ No ☐. If yes, provide name, address and phone number of resident agent: n/a

Type of User, Select one: ☐ Private non-commercial (personal use) ☒ Commercial Recreation or Tourism
☐ Public Non-profit including Federal, State, Municipal Government Agency ☐ Other commercial or industrial

Duration of Project: The proposed activity will require the use of state land for: (Check one)

☐ a single term of less than one year. Beginning month: _____ Ending month: _____

☒ a multi year term for up to 5 years. Beginning year: 2018 Ending year: 2022

If multi year and seasonal, circle months of use in each year. Jan., Feb., Mar., Apr., May, Jun., Jul., Aug., Sept., Oct., Nov., Dec.

Project Location

Latitude/Longitude or UTM: Hatcher Pass, Bullion Mountain or

Section: _____, Township: _____, Range: _____, Meridian: _____
(The spaces below are to be used if the boundaries of the proposed project cross section lines.)

Section: _____, Township: _____, Range: _____, Meridian: _____

Section: _____, Township: _____, Range: _____, Meridian: _____

Proposed project will require the use of up to _____ acres. (Add additional sheets as necessary)

Project Description - Describe in detail your intended use of state land. (State land also includes all tide and submerged lands beneath coastal waters and all shorelands beneath other navigable water bodies of the state.) Discuss development and activities. (Attach additional pages as necessary.)

We will be guiding cat skiing/snowboarding w/heli assist. Heli assist means clients will have the option to pay for helidrops in our permitted area. We will use snow cats to transport clients & guides in our area of operation, clients & guides will ski down & then be picked up by the cat. This process will repeat 4-7 times depending on snow conditions, run length, & group ability.

Should a portion of the permitted area be closed to the general public? Yes ☐ No ☒ If yes, explain which portion and provide justification for exclusive use:

Site Description - Briefly describe the current condition of the proposed site of use, noting any trash, garbage, debris or signs of possible site contamination (If significant, we recommend you provide pictures to establish initial conditions):

Hatcher Pass is in good condition. There is evidence of use such as trails, roads, & some mining activity.

Are there improvements or materials on the site now? Yes ☐ No ☒ If yes, briefly describe the improvements, their approximate value, and who owns them (We recommend you provide pictures of improvements):

Site Description continued - Describe the natural vegetation --- ground cover, trees, shrubs --- and any proposed changes. Describe the location of any estuarine, riparian, or wetlands and any noticeable animal use of area.

The area of use will be a winter time Alpine environment so All ground vegetation will be covered in snow.

Site Access - Describe how you plan to access the site, and your mode of transportation.

Fishhook Rd. w/ vehicles (cars/trucks) then snow cat.

If your access is by aircraft, specify the type and size of aircraft: yes, Robinson R-44 helicopter

To access the site, the aircraft is equipped with floats ☐ wheels ☐ skis ☐.

Number of people

1. Indicate the number of employees and supervisors who will be working on the site. 3 or 4
2. Indicate the number of customers who will be using the site per year or season. 100-1,000
3. Indicate the number of days the site will be used per year or season. 80-120

Environmental Risk / Hazardous Substances - In the course of your proposed activity will you generate, use, store, transport, dispose of, or otherwise come in contact with toxic and/or hazardous materials, and/or hydrocarbons? Yes ☒ No ☐. If yes, please describe:

Hydrocarbons but no toxic or hazardous materials. Gas? Diesel vehicles? Machines.

The types and volumes of fuel or other hazardous substances present or proposed: Gas, diesel, Hydraulic oil

The specific storage location(s): not on state lands

The spill plan and prevention methods: See attached Operating Plan for Specifics. All snow cats will have a spill response kit. All efforts will be made to prevent a spill from happening.

Environmental Risk/Hazardous Substances (continued) - If you plan to use either above or below ground storage containers (like tanks, drums, or other containers) for hazardous material storage, answer the following questions for each container:

Where will the container be located? n/a

What will be stored in the container? _____

What will be the container's size in gallons? _____

Give a description of any secondary containment structure, including volume in gallons, the type of lining material, and configuration: _____

Will the container be tested for leaks? Yes[] No[]

Will the container be equipped with leak detection devices? Yes[] No[]. If no, describe: _____

Do you have any reason to suspect, or do you know if the site may have been previously contaminated? Yes[] No[]. If yes, please explain: _____

Date Stamp:



Signature of Applicant or Authorized Representative

owner/manager/Guide
Title

AS 38.05.035(a) authorizes the director to decide what information is needed to process an application for the sale or use of state land and resources. This information is made a part of the state public land records and becomes public information under AS 40.25.110 and 40.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(8) and confidentiality is requested, AS 43.05.230, or AS 45.48). Public information is open to inspection by you or any member of the public. A person who is the subject of the information may challenge its accuracy or completeness under AS 44.99.310, by giving a written description of the challenged information, the changes needed to correct it, and a name and address where the person can be reached. False statements made in an application for a benefit are punishable under AS 11.56.210. In submitting this form, the applicant agrees with the Department to use "electronic" means to conduct "transactions" (as those terms are used in the Uniform Electronic Transactions Act, AS 09.80.010 – AS 09.80.195) that relate to this form and that the Department need not retain the original paper form of this record: the department may retain this record as an electronic record and destroy the original.

**Land Use Permit Application Supplemental Questionnaire for:
Off Road Travel**

Answer the following questions if your proposed activity includes off-road travel.

Terrain Factor. Circle the following terrain type(s) that best describes your route of travel:

- Wetlands
- Open, non-tundra or wetland areas.
- Rivers or other water bodies.
- Wooded areas with trees of 6" or greater diameter (at breast height).
- Tundra areas.

• Alpine environment

Vehicles and Weight. List the number and kinds of vehicles to be used for motorized travel, the weight of each vehicle and the weight of each trailer or sled (including loaded weight) to be carried by that vehicle:

Pisten Bully Snow Cat 14KLBS.
BR 350 Snow Cat 14KLBS.

Mileage.

- State the average total miles traveled in one round trip: 10-30
- State the number of trips proposed: 4-7

Season Factor. Proposed date(s) of travel will be: From: Dec/Jan To: April/May

Stream and Water Body Crossings. - Note who you contacted in the ADF&G, Division of Habitat:

Date: _____ Person: _____

Fuel and Hazardous Substance Factor. The volume of fuel and hazardous substances to be used is the total volume (in gallons) to be carried on one vehicle and any trailers or sleds that vehicle is towing.

- Maximum volume of fuel (in gallons) that is being transported by one vehicle and any trailers or sleds it is towing:
50 gallons.

- Hazardous substances other than fuel:

Substance _____

Substance _____

- Do you have an Oil Discharge Prevention and Contingency Plan approved by the Alaska Department of Environmental Conservation? Yes[] No[]
- Do you have either a trained spill response team or a contract with a spill response company? Yes[X] No[]

**Land Use Permit Application Supplemental Questionnaire for:
Use of Uplands and Non Marine Waters**

To be completed to provide more detailed information about projects or activities requiring the use of state owned uplands and non marine waters. All site development details identified in this section must be represented graphically in the scaled drawings on Page 4 of the supplement.

Temporary Structures – 1) Describe all temporary improvements (including buildings, tent platforms, out-buildings, docks, floats, and floating facilities), including their dimensions and building materials. 2) Label improvements to be maintained on a year round basis as year round. **Note:** Seasonal improvements must be completely dismantled and removed or stored on or before the end of authorized terms of use.

n/a

Distance structures including pit privies will be located from the ordinary highwater mark of the nearest freshwater body (lake, stream, river, etc), or the mean high water mark of a saltwater body: _____

Harvest of Non-Timber Related Forest Products – Please list the type and quantity of each non-timber related forest product (berries, ferns, willow, mushrooms, birch bark, etc.) to be harvested for commercial use:

n/a

Contact the DNR Division of Forestry to obtain authorizations for the harvest of small trees.

Motorized Equipment - List mechanized/motorized equipment to be used, including type, size, purpose, and number of each.

Pisten Bully Snow Cat and/or BR 350 Snow Cat, the purpose is to transport clients & guides to ski/snowboard, R-44 Helicopter to transport clients & guides to ski/snowboard

Storage and Parking - If you plan to store items or park boats, vehicles and/or heavy equipment on the site, describe complete the following:

Describe and give dimensions of long term and short term parking and or storage areas. Cats are all ready being employed by the State to groom trails on Hatcher Pass, Cats will be left in those areas all ready approved for state use.

Is parking or storage planned to take place on filled tidelands. Yes [] No []

Does storage involve structures or materials floating in a waterbody? Yes [] No ☒ If yes, describe. _____

Storage and Parking (continued)

Number of disassembled tent frames _____

Number of tent platforms _____

List and describe items that are large and difficult to transport. Include dimensions: _____

n/a

Will barrel(s) or an equivalent type of storage container be used? Yes ☐ No ☒ If using something other than barrels for storage containers, describe the alternative container.

Describe any measures you plan to take to minimize drips or spills from leaking vehicles or equipment. *Cats will be properly maintained to prevent any spill or discharge from occurring. Spill response kits will be on cats to take care of spill quickly if it did happen.*

Water / Wastewater

Water Supply – Describe the water supply and proposed use. *n/a*

Wastewater – Describe the wastewater type and quantity and proposed method of wastewater disposal: (for the marine environment, also describe the proposed gray and black water systems or out fall pipeline).

n/a

Waste – Describe the types of waste that will be generated on-site, including solid waste, the source of the waste, and the method of waste disposal, i.e. pit privy, or self-contained system, or outfall line; indicate distance from the nearest waterbody.

n/a

Animal Use

Will there be any use of animals (horses, llamas, dogs, etc.)? Yes ☐ No ☒

Will there be commercial use of the animals (horseback rides, packing, dog sled rides, etc.)? Yes ☐ No ☒ If yes, please explain:

Dismantle, Removal, Restoration Plan – Provide a plan for dismantling and removing temporary structures. Include method and timeline for total site restoration:

n/a

SHORT TERM (PORTABLE) COMMERCIAL RECREATION CAMPS: Identify commercial recreation activity/activities for which short term (portable) camps will be established to accommodate employees and clients, and provide a general description of the location(s) (e.g. guide use area, game management sub-unit, river, stream, lake, etc.) where the recreational activity/activities and short term (portable) camp use will occur.

___ Big Game Guiding: (List up to 3 Guide Use Areas.) n/a

___ Sportfishing (List river corridors, lakes, etc.)

___ Boating/Rafting/Kayaking: (List river corridors, lakes, etc.)

___ Other Recreation: (Type and general geographic description.)

- Identify any State of Alaska Refuge, Sanctuary and/or Critical Habitat Area where short term (portable) camps will be used.

Will activities include "day use" of state land managed under the Haines State Forest Management Plan? Yes ___ No ___

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Boundary of proposed
snowcat operations
on state owned land

